

CLAIMS

[1]

A multiaxial sensor unit for measuring one or more of two or more-axial force, moment, acceleration, and angular acceleration, externally applied, characterized by comprising:

eight strain gauges disposed on a single plane, and one bridge circuit constructed by connecting the strain gauges.

[2]

A multiaxial sensor unit for measuring one or more of three or more-axial force, moment, acceleration, and angular acceleration, externally applied, characterized by comprising:

eight strain gauges disposed on a single plane, and two bridge circuits constructed by connecting the strain gauges.

[3]

The multiaxial sensor unit according to claim 1 or 2, characterized in that

the unit comprises a strain generation body comprising a force receiving portion provided at a center, a fixed portion provided on an outer circumference, and an annular diaphragm portion connecting the force

Statement under Article 19(1)

The amendment is to make it clear that the invention according to either of claims 1 and 2 relates to a multiaxial sensor capable of measuring force, moment, acceleration, or angular acceleration on axes larger in number than the bridge circuits constructed by connecting eight strain gauges disposed on a single plane.

Contrastingly, either of the document 1 (JP-A-11-132874) and document 2 (JP-B2-5-52447) discloses a load cell capable of measuring force on the same number of axes as the bridge circuits constructed by connecting eight strain gauges disposed on a single plane.